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DATE: May 2, 2007

FILE NO: DYNG/P026064

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FROM: PATTERSON & SHERIDAN, LLP by Laura Crater

PAGE(S) with cover: 10

ORIGINAL TO FOLLOW? ☐ YES ☒ NO

U.S. SERIAL NO.: 10/579,650

FILING DATE: 05/18/2006

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Laura E. Crater 5/2/2007
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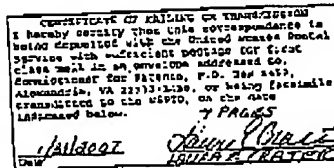
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PATTERSON &
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ATTORNEYS AT LAW

January 31, 2007

Office of Initial Patent Examination
Filing Receipt Corrections
P.O. Box 1450
Alexandria, VA 22313-1450Re: Applicant: Kay Teraoka et al.
Ser. No.: 10/579,650
Our File: DYN0/P026064

Sir:

Please issue a corrected filing receipt to correct the title of this application which should read as follows:

CELL PICKING TOOL INCLUDING MOLDING WITH CELL-ADHESIVE
RECESSED STRUCTURE AND METHOD OF CELL MANIPULATION

A marked copy of the filing receipt is attached. Copies of Applicants' Declaration and the first page of priority application PCT/JP2004/017266 (publication WO 2005/059117 A1) are also attached for the convenience of the Office.

Very truly yours,

Eamon J. Wall

EJW:lcc
Enclosures150 Independence Ave., Suite 1200
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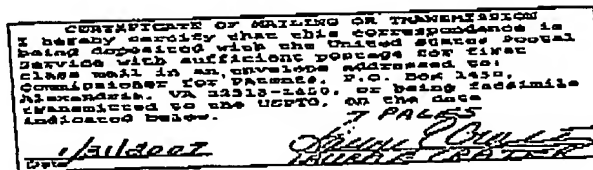
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 ATTORNEYS AT LAW



January 31, 2007

Office of Initial Patent Examination
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 P.O. Box 1450
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Re: Applicant: Kay Toracka et al.
 Ser. No.: 10/572,650
 Our File: DYNG/P026064

Sir:

Please issue a corrected filing receipt to correct the title of this application which should read as follows:

**CELL PICKING TOOL INCLUDING MOLDING WITH CELL-ADHESIVE
 RECESSED STRUCTURE AND METHOD OF CELL MANIPULATION**

A marked copy of the filing receipt is attached. Copies of Applicants' Declaration and the first page of priority application PCT/JP2004/017266 (publication WO 2005/059117 A1) are also attached for the convenience of the Office.

Very truly yours,

E. J. Wall
 Eamon J. Wall

BJW:lcc
 Enclosures

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Date	7 PAGES
1/31/2007	<i>Laura E. Crater</i> LAURA E CRATER

January 31, 2007

Office of Initial Patent Examination
Filing Receipt Corrections
P.O. Box 1450
Alexandria, VA 22313-1450

Re: Applicant: Kay Teraoka et al.
Ser. No.: 10/579,650
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Sir:

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Very truly yours,

EJW

Eamon J. Wall

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Title

Cell picking tool ~~comprising a mold with cell-adhesive concave structure and cell handling method~~ *including molding with cell-adhesive recessed structure and method of cell manipulation*

Preliminary Class

435

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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(12)特許協力条約に基づいて公開された国際出願

(19) 世界知的所有権機関
国際事務局(43) 国際公開日
2005年6月30日 (30.06.2005)

PCT

(10) 国際公開番号
WO 2005/059117 A1

(51) 国際特許分類: C12N 5/02, C12M 3/00, C12N 11/02

(21) 国際出願番号: PCT/JP2004/017266

(22) 国際出願日: 2004年11月19日 (19.11.2004)

(75) 国際出願の言語: 日本語

(26) 国際公開の言語: 日本語

(30) 優先権データ:
特願 2003-388637
2003年11月19日 (19.11.2003) JP

(71) 出願人 (米国を除く全ての指定国について): 独立行政法人産業技術総合研究所 (NATIONAL INSTITUTE OF ADVANCED INDUSTRIAL SCIENCE AND TECHNOLOGY) [JP/JP]; 〒1008921 東京都千代田区霞が関一丁目3番1号 Tokyo (JP)

(72) 発明者: および

(75) 発明者/出願人 (米国についてのみ): 寺岡 啓 (TERAOKA, Ken) [JP/JP]; 〒4638560 愛知県名古屋市中区大寺下志段味字穴ヶ洞226番地の98 独立行政法人産業技術総合研究所中部センター内 Aichi (JP); 斎藤 隆雄 (SAITO, Takao) [JP/JP]; 〒4638560 愛知県名古屋市中区大寺下志段味字穴ヶ洞226番地の98 独立行政法人産業技術総合研究所中部センター内 Aichi (JP).

(74) 代理人: 須藤 政基 (SUDO, Masahiko); 〒1030022 東京都中央区日本橋室町1丁目6番1号 三洋ビル6階 Tokyo (JP).

(81) 指定国 (表示のない限り、全ての種類の国内保護が可能): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GR, HU, ID, IL, IN, IS, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

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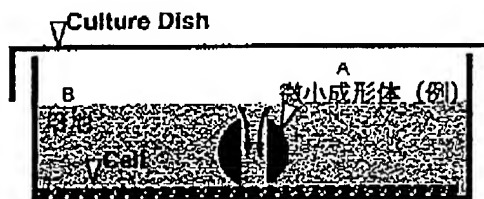
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— 請求の範囲の補正の期限前の公開であり、補正受理の際には再公開される。

2文字コード及び他の略語については、定期発行される各A1ガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

(54) Title: CELL PICKING TOOL INCLUDING MOLDING WITH CELL-ADHESIVE RECESSED STRUCTURE AND METHOD OF CELL MANIPULATION

(54) 発明の名称: 細胞接着性凹構造を持つ成形体から成る細胞ピッキングツール及び細胞操作手法

A... MICROMOLDING (EXAMPLE)
B... CULTURE MEDIUM

(57) Abstract: A cell collection tool, etc. There is provided a cell collection molding (cell picking tool) with recessed structure capable of collecting sheets of cells having been two-dimensionally cultured in a culturing vessel in the form of sheets without the use of cell dispersants, which cell collection molding is stationed so as to be in contact with cell assembly lying in a cell growing environment to thereby not only introduce a liquid component (cell growing environment) contributing to cell growth but also enable collection of the cells with their gathered form retained into the recessed structure. There is further provided a method of manipulating the same.

(57) 要約: 本発明は、細胞採取ツール等を提供する。本発明は、培養容器内で2次元培養された細胞シートを、細胞分散剤を用いることなく、シート状のまま採取することができる凹構造を持つ成形体であって、細胞育成環境にある細胞集合体と接するように設置されることにより、細胞育成に資する液性成分 (細胞育成環境) を取り込むと共に、細胞を集合状態を保ったまま凹構造に採取することができる。細胞採取用成形体 (細胞ピッキングツール)、及びその操作方法に関するものである。

WO 2005/059117 A1

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ original
- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part

INVENTORSHIP IDENTIFICATION

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**CELL PICKING TOOL INCLUDING MOLDING WITH CELL-ADHESIVE
RECESSED STRUCTURE AND METHOD OF CELL MANIPULATION**

SPECIFICATION IDENTIFICATION

The specification of which:

- ☐ is filed herewith
- ☒ was filed on May 18, 2006, under Serial No. 10/579,650, executed on even date herewith; or
- ☐ Express Mail No.(as Serial No. not yet known) and was amended on (if applicable)
- ☒ was described and claimed in PCT International Application No. PCT/JP2004/017266 filed on November 19, 2004 and as amended under PCT Article 19 on

ACKNOWLEDGMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information I know to be material to patentability in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application; namely, information where there is a substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent.

- ☐ In compliance with this duty there is attached an Information Disclosure Statement in accordance with 37 CFR §1.98.

PRIORITY CLAIM (35 U.S.C. §119)

I hereby claim foreign priority benefits under Title 35, United States Code, §119, of any provisional or foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below, and have also identified below any provisional or foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

- ☐ No such applications have been filed.
☒ Such applications have been filed as follows:

- A. Prior foreign/PCT application(s) filed within 12 mos. (6 mos. for design) prior to this application, and any priority claims under 35 USC §119

<u>Country/PCT</u>	<u>Application Number</u>	<u>Date Filed</u>	<u>Priority Claimed</u>
Japan	2003-388637	Nov. 19, 2003	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

- B. All foreign application(s), if any, filed more than 12 mos. (6 mos. for design) prior to this U.S. application

<u>Country/PCT</u>	<u>Application Number</u>	<u>Filing Date</u>
--------------------	---------------------------	--------------------

- C. U.S. Provisional Application filed within 12 months prior to this application

<u>Serial Number</u>	<u>Filing Date</u>
----------------------	--------------------

PRIORITY CLAIM (35 USC §120)

I hereby claim the benefit under Title 35, United States Code, §120, of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in that/those prior application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112. I acknowledge the duty to disclose information that is material to the examination of this application (namely, information where there is substantial likelihood that a reasonable Examiner would consider it important in deciding whether to allow the application to issue as a patent) which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application.

- ☒ No such applications have been filed.
☐ Such applications have been filed, as follows:

<u>Serial Number</u>	<u>Filing Date</u>	<u>Patented</u>	<u>Pending</u>	<u>Abandoned</u>
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POWER OF ATTORNEY

I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Practitioners associated with Customer #26,291

Send correspondence and direct telephone calls to:

**CUSTOMER #26,291
ATTENTION: EAMON J. WALL**

DECLARATION

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and, further, that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Sec. 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Full name of sole or first inventor: Kay TERAOKA

Inventor's signature: Kay Teraoka Date: May 19, 2006
Residence: c/o Chubu Center, National Institute of Advanced Industrial Science
and Technology, 2266-98, Asa-Anagahora, Oaza-Shimoshidami,
Moriyama-ku, Nagoya-shi, Aichi 463-8560, JAPAN
Post Office Address: same as above
Country of Citizenship: Japan

Full name of second inventor: Takao SAITO

Inventor's signature: Takao Saito Date: May 19, 2006
Residence: c/o Chubu Center, National Institute of Advanced Industrial Science
and Technology, 2266-98, Asa-Anagahora, Oaza-Shimoshidami,
Moriyama-ku, Nagoya-shi, Aichi 463-8560, JAPAN
Post Office Address: same as above
Country of Citizenship: Japan

(Declaration ends with this page)